

# Navy Discloses Another Secret

Red-o Proximity Fuse Rated  
Second in Importance  
To Atomic Bomb.

WASHINGTON.—Rated by officials as second in importance only to the atomic bomb, and, next to that scientific miracle, the greatest discovery of the war, the discovery, development and successful use of a radio proximity fuse, were made known by the navy department, at whose instigation it came into being.

It is upon, no bigger than a pint milk bottle, the deadly content of which is a small glass tube, five-eighths of an inch long and three-eighths of an inch in diameter, explodes a projectile as soon as it comes close enough to a target to inflict damage.

Lauded by King. Acclaimed by Fleet Admiral King as "a great scientific achievement that contributed greatly to winning the war for the United States," this variable time fuse, until now a major secret of ordnance development, was revealed as "one of the most potent factors in the navy's fight against suicide bombers in the last desperate months of Japanese resistance, a powerful weapon in the neutralization of the Nazi bomb attack on London in the summer of 1941, and a major factor in the killing artillery assault which threw back the Germans in the attempted counter-offensive in France in the winter of 1944.

"For 2½ years of war, during which the only clue to its existence was a report to be unprecisely of gun fire, projected with this indicated terrific damage on the enemy," according to a statement issued at a press conference held by H. Struve Henzel, assistant secretary of the navy, "it was really a device that caused devastating destruction in spite of slight unavoidable inaccuracies in aim."

Two-Way Radio. Specifically, the VT fuse, so named by the late Capt. S. R. Shumway, who as director of the navy's ordnance and development division inaugurated a program of the VT fuse, is described as a "two-way" radio, with a transmitting and receiving station built into the nose of a projectile.

The heart of the miniature radio station is a vacuum tube which sends out electromagnetic waves on a frequency of 180,000 cycles per second. The impulses are reflected back to the tube by any target that gives a radio reflection, such as metal objects, water, or earth.

If a VT-fused projectile in flight passes within 70 feet of an airplane, the impulses act on the fuse circuit to trigger a switch. The switch causes an electrical detonator to set off the main charge in the projectile.

Use of the device eliminates fuse setting, thereby removes errors inherent in time fuse mechanisms, and makes possible maximum results at the split-second speed demanded by aircraft fire. A VT-fused projectile explodes automatically as it reaches a point where its fuse is in a position to shower a target.

Fuehrer Lament: 'This War Is No Consequence' WIESBADEN, GERMANY.—"This war is no consequence for me," the quotation is from a stenographic report of a speech made by Hitler at secret headquarters on August 31, 1944, to Nazi generals.

For five years, Hitler continued, "I've been shut off from the other world; I've not visited the theater, I've not heard a concert, and I've not seen a film."

"I live only for a single mission: to lead this battle because I know if there is not iron will power behind it, the battle will not be won."

It Was Ladies' Day for Americans on Okinawa

PORT SHAFER, T. H.—Sgt. Mike Moroz, Bayonne, N. J., is known to his buddies as "The Sheik" in the army's 96th infantry division since the day he came in from mopping up operations leading five Okinawan nurses.

The "sheik" was discovered in a cave near the southern tip of Okinawa. None of the women spoke English, but Moroz persuaded them with hand signals to come out. A search disclosed that four carried hand grenades in their small hand bags.

"Just to show you can't trust a woman," said Moroz.

Turn Out Billions of Marks for Allied Forces

BERLIN.—Allied printing presses already have turned out more than one billion dollars of green, red and brown invasion money to finance the four power occupation of conquered Germany.



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**JIMMY CARROLL.** Sings. A romantic tenor to sing the songs that live forever in your memory. **TUESDAY, 10:30 P. M.**

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**ANDREWS SISTERS.** Your favorite songs sung by the Andrews Sisters. **SATURDAY, 8 P. M.**

**MUSICAL AUTOGRAPHS.** Music from yesterday and today, with the stars of the day. **SUNDAY, 9:30 P. M.**

**GINNY SIMMS.** The singing sweetheart of every man's heart. **SAT., 9:45 P. M.**

**ASHBY MAHONEY.** Rich melody and melody sung by the "Big Boy" of the radio. **MON.—FRI., 5:45 P. M.**

**DICK HAYNES.** Variety songs sung by Dick Haymes and Helen Forrest. **SATURDAY, 8 P. M.**

**STAR THEATER.** Melody from yesterday and today, with the stars of the day. **SUNDAY, 9:30 P. M.**

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